

Notice of Allowability

Application No.

10/664,235

Examiner

Craig A. Renner

Applicant(s)

MOLSTAD ET AL.

Art Unit

2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to paper(s) filed 28 July 2006.
2. ☒ The allowed claim(s) is/are 1,2,4-13 and 15-19 (renumbered 1-17, respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Art Unit: 2627

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kelly Fitzgerald, Registration No. 46326, on 11 October 2006.

2. The application has been amended as follows:

IN THE CLAIMS:

The claim listing has been amended to read as follows:

Art Unit: 2627

Claim 1 (Currently Amended) A system comprising:

double-sided data storage tape comprising first and second opposing sides;

a turntable; and

a head mounted on the turntable, ~~wherein the turntable rotates to allow the head to access the first and second sides of the double-sided data storage tape~~ wherein the turntable rotates to position the head in a first position, wherein the head has continuous access to the first side of the double-sided data storage tape when the head is in the first position, and wherein the turntable rotates to position the head in a second position, wherein the head has access to the second side of the double-sided data storage tape when the head is in the second position.

Claim 2 (Original) The system of claim 1, wherein the head accesses the first and second sides by contacting the first and second sides.

Claim 3 (Cancelled).

Claim 4 (Currently Amended) The system of ~~claim 3~~ claim 1, wherein the first position of the head comprises approximately 180 degrees of rotation of the turntable relative to the second position of the head.

Claim 5 (Original) The system of claim 1, wherein the turntable moves relative to a tape path of the data storage tape.

Claim 6 (Previously Presented) The system of claim 5, wherein the turntable rotates to disallow the head access to the tape and then lowers to descend the head below the tape path of the data storage tape.

Claim 7 (Previously Presented) The system of claim 6, wherein the turntable raises to elevate the head into the tape path of the data storage tape and then rotates to allow the head to access one of the first or second sides of the double-sided data storage tape.

Claim 8 (Original) The system of claim 1, further comprising a set of guides to facilitate contact of the head with the first and second sides of the data storage tape.

Claim 9 (Original) The system of claim 8, wherein only a subset of the set of guides contact the data storage tape.

Claim 10 (Original) The system of claim 1, wherein the head comprises a head selected from a group consisting of: a magnetic read head, a magnetic write head, a magnetic read/write head, a servo write head and a servo verify head.

Art Unit: 2627

Claim 11 (Previously Presented) The system of claim 1, wherein the data storage tape comprises tape selected from a group consisting of: magnetic tape, magneto-optical tape, optical tape and holographic tape.

Claim 12 (Currently Amended) A data storage tape drive comprising a head mounted on a turntable, wherein the turntable rotates to position the head in a first position, wherein the head has continuous access to a first side of a double-sided data storage tape when the head is in the first position, and wherein the turntable rotates to position the head in a second position, wherein the head has access to a second opposing side of ~~[[a]]~~ the double-sided data storage tape when the head is in the second position.

Claim 13 (Original) The data storage tape drive of claim 12, wherein the head accesses the first and second sides by contacting the first and second sides.

Claim 14 (Cancelled).

Claim 15 (Currently Amended) The data storage tape drive of ~~claim 14~~ claim 12, wherein the first position of the head comprises approximately 180 degrees of rotation of the turntable relative to the second position of the head.

Claim 16 (Original) The data storage tape drive of claim 12, wherein the turntable moves relative to a tape path of the data storage tape.

Claim 17 (Previously Presented) The data storage tape drive of claim 16, wherein the turntable rotates to disallow the head access to the tape and then lowers to descend the head below the tape path of the data storage tape.

Claim 18 (Previously Presented) The data storage tape drive of claim 17, wherein the turntable raises to elevate the head into the tape path of the data storage tape and then rotates to allow the head to access one of the first or second sides of the double-sided data storage tape.

Claim 19 (Original) The data storage tape drive of claim 12, wherein the head comprises a head selected from a group consisting of: a magnetic read head, a magnetic write head, a magnetic read/write head, a servo write head and a servo verify head.


Claim 20-25 (Cancelled).

Art Unit: 2627

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Craig A. Renner whose telephone number is (571) 272-7580. The examiner can normally be reached on Monday-Tuesday & Thursday-Friday 9:00 AM - 7:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa T. Nguyen can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Craig A. Renner
Primary Examiner
Art Unit 2627

CAR